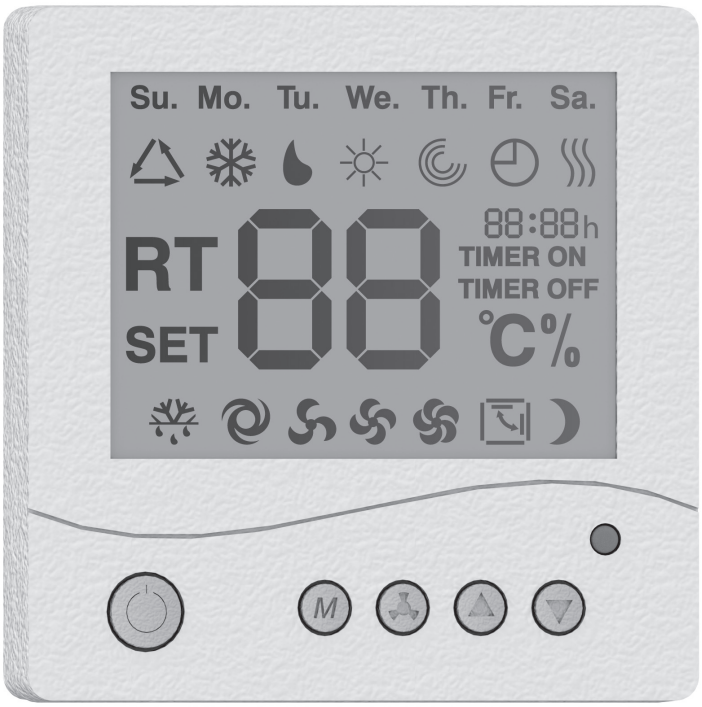
USER'S MANUAL

PU JK 01



LCD Control Panel

VENTS

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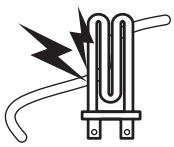
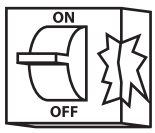
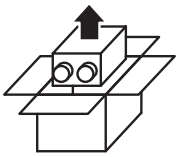
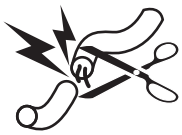
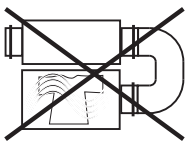
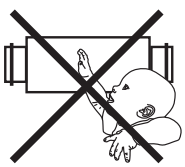
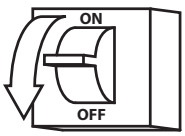
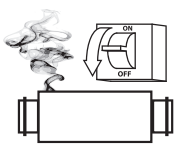
SAFETY REQUIREMENTS

- Read the user's manual carefully prior to the operation and installation of the control panel.
- Installation and operation of the control panel shall be performed in accordance with the present user's manual as well as the provisions of all the applicable local and national construction, electrical and technical codes and standards.
- The warnings contained in the present user's manual must be considered most seriously since they contain vital personal safety information.
- Failure to follow the safety regulations may result in an injury or control panel damage.
- Read the manual carefully and keep it as long as you use the control panel.
- While transferring the equipment control the user's manual must be turned over to the receiving operator.

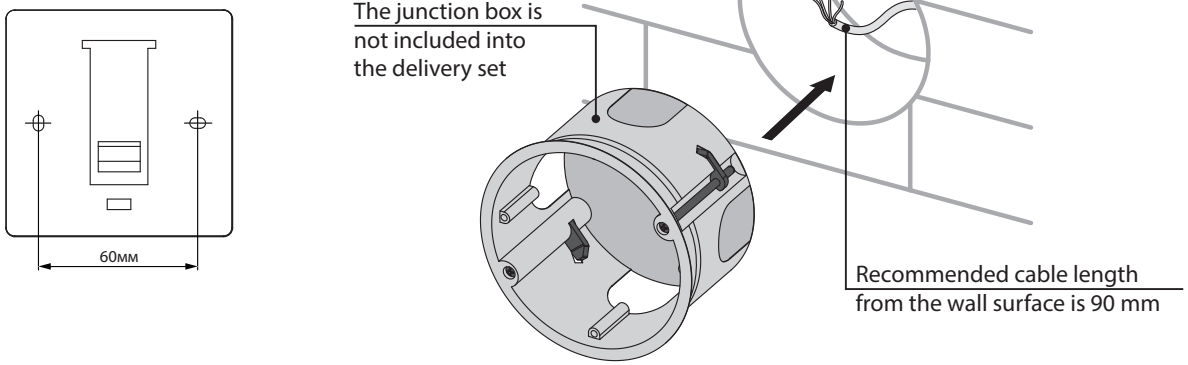
SAFETY PRECAUTIONS DURING INSTALLATION AND OPERATION

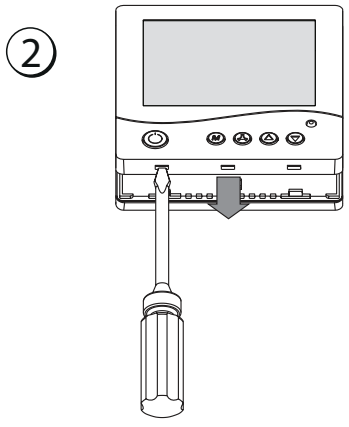
	The control panel must be disconnected from power supply prior to every installation or repair operation.		The control panel must not be operated outside the temperature range stated in the user's manual or in aggressive or explosive environments.
	Do not position any heating devices or other equipment in close proximity to the control panel power cord.		Do not use damaged equipment or conductors to connect the panel to the power mains.
	While installing the control panel follow the safety regulations specific to the use of electric tools.		Unpack the panel with care.
	Do not change the power cord length at your own discretion. Do not bend the power cable. Avoid damaging the power cable.		Use the panel only as originally intended.
	Do not touch the control panel with wet hands. Do not carry out the control panel maintenance with wet hands.		Avoid penetration of water onto the electric parts of the panel.
	Do not let children operate the panel.		The control panel must be disconnected from the power supply prior to maintenance operations.
	In case of unusual sounds, smoke disconnect the control panel from power supply and contact the service centre.		Keep the power cord intact while operating the control unit. Do not put any foreign objects on top of the power cord.

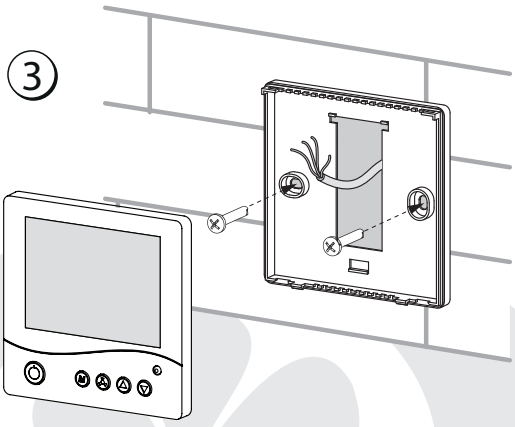
MAIN TECHNICAL DATA

PARAMETER	VALUE
Ambient Temperature [°C]	From +5 to +40
Relative Humidity [%]	From 5 to 80 (no condensation)
Recommended cable cross section [mm^2]	0,22 - 0,25
Material	Plastic
Dimensions (WxHxD) [mm]	86x86x13
Cable Length [m]	Up to 15
IP Code	IP20

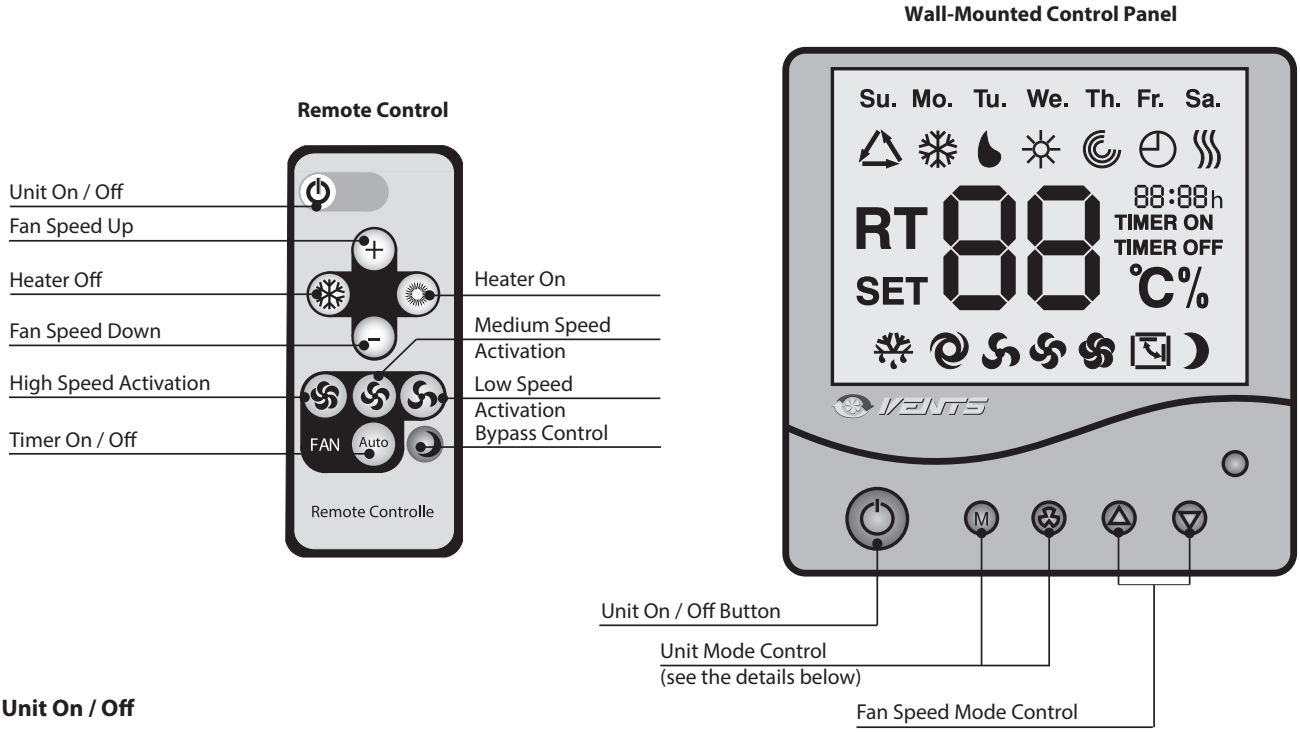
PANEL INSTALLATION







CONTROL PANEL BUTTON FUNCTIONS



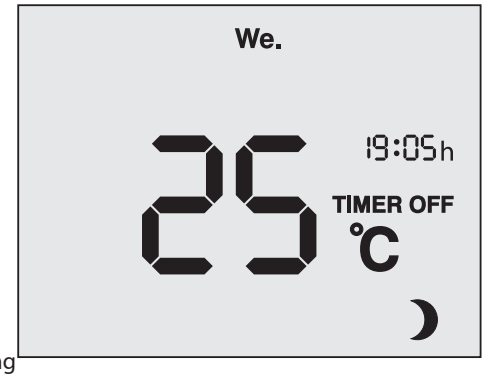
1. Unit On / Off

The unit can be switched on and off using:

- The wall-mounted control panel:
  - Unit On - press the button briefly;
  - Unit Off - press and hold the button for 3 seconds;
- The remote control:
  - Unit On - press the button briefly;
  - Unit Off - press and hold the button for 3 seconds;

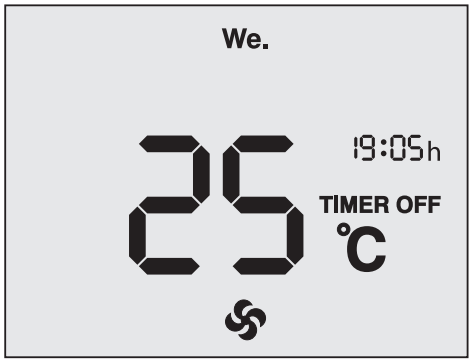
While the ventilation unit is off the control panel LCD screen displays the following information:

- Room temperature;
- Week day;
- Time;
- Deactivation indicator ;
- In the heater cooling down mode the indicator (blowing) lights up and the blowing countdown (min:sec) starts.



While the ventilation unit is on the control panel LCD screen displays the following information:

- Room temperature;
- Week day;
- Time;
- Fan speed indication ;
- Bypass status. The indicator lights up when the bypass opens;
- Timer status:
  - the **TIMER ON** indicator lights up when the timer is activated;
  - the **TIMER OFF** indicator glows when the timer is off;
- Heater status:
  - the indicator glows while the heater is on.



2. Ventilation Unit Mode Control.

The speed of the ventilation unit fans is controlled using:

- The control panel: Press the button to increase the speed or the button to reduce the speed of the unit fans (Low Speed - Medium Speed - High Speed - Humidity Feedback Control).
- The remote control: Press the + button to increase the speed or the – button to reduce the speed of the unit fans (Low Speed - Medium Speed - High Speed - Humidity Feedback Control).
- The remote control: Press the button to engage low speed, the button to engage medium speed and the button to engage high speed respectively.

The control panel display shows the current fan speed information:

- Indicator — Low Speed mode;
- Indicator — Medium Speed mode;
- Indicator — High Speed mode.

ATTENTION! TO USE HUMIDITY FEEDBACK CONTROL INSTALL A DUCT HUMIDITY SENSOR (SEPARATELY ORDERED ACCESSORY) AND ENABLE THIS FUNCTION VIA THE SERVICE MENU.

3. User Menu.

To enter the user menu press the M button. Press the M button once again to access various functions of the ventilation unit. To exit the user menu press the button. The User Menu is exited automatically after 1 minute of user's inactivity.

The User Menu enables access to the main functions of the ventilation unit:

- Bypass Control;
- Heater On / Off;
- Timer On / Off;
- Service Menu Access;

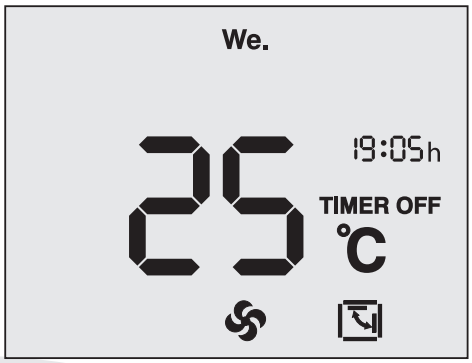
4. Bypass Control

To set Bypass Control to manual use the M button to enter the user menu. Select Bypass Control mode. While in the Bypass Control mode the bypass indicator is blinking.

Use the and buttons to set the bypass position:

- — Bypass open.
- — Bypass closed.

To control the bypass position via the remote control use the button.



5. Heater On / Off

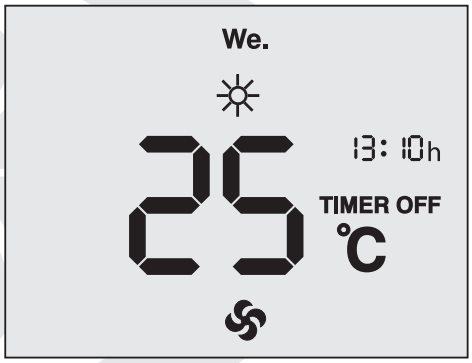
To control the heater status use the M button to enter the user menu. Select heater control mode. While in the heater control mode the heater status indicator is blinking.

Use the and buttons to set the heater status:

- the indicator is blinking fast - the heater is off.
- the indicator is blinking slowly - the heater is on.

From the remote control:

- press the button to switch the heater on.
- press the button to switch the heater off.



6. Timer On / Off

The timer is used to switch the fans to the speed defined in the service menu («Timer Mode Air Flow» parameter) with an automatic return to the previous speed after a set time period. The timer operation period is defined via the service menu.

To control the timer status use the M button to enter the user menu.

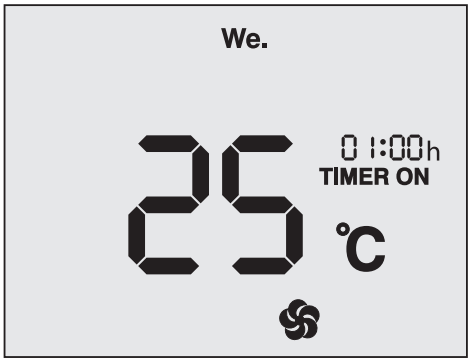
Select timer control mode. While in the timer control mode the **TIMER OFF** indicator is blinking.

Use the ▲ and ▼ buttons to set the timer status:

TIMER ON — The timer is On.

TIMER OFF — The timer is Off.

To control the timer via the remote control use the Auto button.



7. Service Menu.

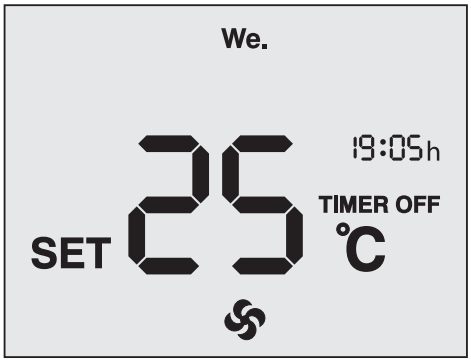
To access the service menu enter the User Menu by pressing the M button and select the service menu access mode.

While in the service menu access mode the **SET** indicator is blinking.

Then press the ✿ button.

The service menu provides access to a number of ventilation unit parameters such as:

- Date and Time Setup.
- Unit Parameters Setup.
- Timer Setup.
- Temperature Indication Correction.
- Reset to Factory Settings.
- Motor Hour Reset.
- Humidity Feedback Control Activation.



8. Date and Time Setup.

To set the current date and time enter the service menu and use the M button to select the date and time setup mode.

While in the date and time setup mode the **SET** and h indicators on the control panel display are blinking.

Then press the ✿ button to enter date and time setup mode.

Use the M button to select the parameter to be edited and set the desired value by means of the ▲ and ▼ buttons.

The date and time parameters appear in the following order:

- Minutes.
- Hours.
- Day of the Week.
- Date.
- Month.

9. Ventilation Unit Parameters Setup.

To set the ventilation unit parameters enter the service menu and use the M button to select the date and time setup mode.

While in the date and time setup mode the **SET** indicator and the Co ventilation unit parameters setup indicator on the control panel display are blinking.

Then press the ✿ button to enter the ventilation unit parameters setup mode.

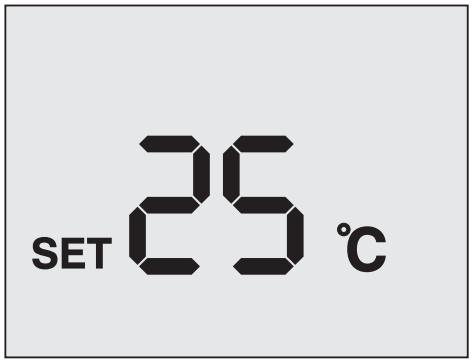
При помощи кнопок (M) и (⁂) выберите код параметра для настройки и установите необходимое значение кнопками (△) и (▽).
Расшифровка кодов параметров указана в таблице (стр. 12).
Use the (M) and (⁂) buttons to select the parameter code for editing and set the desired value by means of the (△) and (▽) buttons.
The parameter codes are detailed in the table below (Page 12).

10. Timer Setup.

To set the timer enter the Service Menu and use the (M) button to select the Date and Time Setup mode. While in the date and time setup mode the **SET**, **TIMER ON** and **TIMER OFF** indicators on the control panel display are blinking. Then press the (⁂) button to enter the timer setup mode. Use the (△) and (▽) buttons to set the timer. The timer value is set in 5 minute increments.

11. Temperature Indication Correction.

To set a correction factor for the indications of the control panel temperature sensor enter the service menu and use the (M) button to select the temperature indication correction mode. While in the temperature indication correction mode the **SET** and **°C** indicators on the control panel display are blinking. Then press the (⁂) button to enter the temperature indication correction mode. Use the (△) and (▽) buttons to set the value which corresponds to the current air temperature in the room where the control panel is installed.



12. Reset to Factory Settings.

To reset the ventilation unit parameters to the factory settings enter the service menu and use the (M) button to select the reset to factory settings mode.
While in the reset to factory settings mode the **SET** and the dE indicators on the control panel display are blinking. Then press the (⁂) button to enter the Reset to Factory Defaults mode. Once there press the (△) and (▽) buttons simultaneously.
The ventilation unit factory defaults are given in the table below.

13. Motor Hour Reset.

Enter the service menu and use the (M) buttons to select the motor hour reset mode (while in the motor hour reset mode the **SET** and F indicators on the control panel display are blinking).
Then press the (⁂) button to enter the motor hour reset mode.
Once there press the (△) and (▽) buttons simultaneously.
The ventilation unit factory defaults are given in the table below.

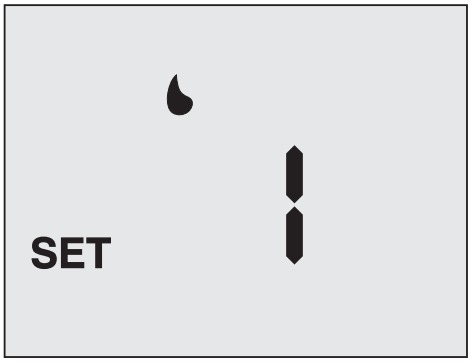
14. Humidity Feedback Control Activation.

To enable humidity feedback control enter the service menu and use the (M) button to select the humidity feedback control activation mode. While in the humidity feedback control activation mode the **SET** and indicators on the control panel display are blinking. Then press the button to enter the humidity feedback control activation mode.

Use the and buttons to set the value:

0 — Disabled (Default).

1 — Enabled.



FACTORY SETTINGS

Parameter Code	Parameter	Measurement Units	Measurement Range	Purpose	Default Value
6	Duct Temperature	°C	10-30	Temperature in the air duct.	25
7	Room Temperature	°C	10-30	Room temperature.	20
11	Timer Operation - Temperature	°C	10-40	Room temperature for timer operation.	20
12	Timer Operation - Air Flow.	-	1, 2, 3	Ventilation mode for timer operation.	1
18	Air Flow at Low Speed in Air Supply Mode	%	0-99	Air flow in the supply air duct at low speed (defined as a percentage of the maximum unit capacity).	40
19	Air Flow at Medium Speed in Air Supply Mode	%	0-99	Air flow in the supply air duct at medium speed (defined as a percentage of the maximum unit capacity).	70
20	Air Flow at High Speed in Air Supply Mode	%	0-99	Air flow in the supply air duct at high speed (defined as a percentage of the maximum unit capacity).	99
21	Temperature Sensor Selection.	-	0, 1	Selection of the Active Temperature Sensor: 0 — Duct; 1 — Room.	0
22	Standby Mode Air Flow	-	0, 1	Air Flow Rate in the Standby Mode.	1
23	Standby Mode Temperature	°C	10-30	User-defined Temperature in the Standby Mode.	20
29	Air Flow at Low Speed in Air Extract Mode	%	0-99	Air flow in the exhaust air duct at low speed (defined as a percentage of the maximum unit capacity).	40
30	Air Flow at Medium Speed in Air Extract Mode	%	0-99	Air flow in the exhaust air duct at medium speed (defined as a percentage of the maximum unit capacity).	70
31	Air Flow at High Speed in Air Extract Mode	%	0-99	Air flow in the exhaust air duct at high speed (defined as a percentage of the maximum unit capacity).	99
33	Supply Fan Shutdown.	-	1, 0	Selection of the freezing protection logic by shutting down the supply fan: 1 — ON; 0 — OFF.	0
34	Supply Fan Operation Time	min.	5-60	Supply fan operation time while the supply fan shutdown mode is enabled.	20
35	Supply Fan Idling Time	min,	5-60	Supply fan idling time while the supply fan shutdown mode is enabled.	5
36	Supply Fan Shutdown Temperature	°C	-5 ... +5	The air duct temperature set point to enable freezing protection activation logic by shutting down the supply fan.	+3
39	Bypass Operation Mode.	-	1, 0	Bypass operation mode selection: 0 — Regular operation mode to prevent heat exchanger freezing at low temperatures; 1 — Bypass opening for the ventilation mode.	1
41	Duct Humidity	%	10-80	Humidity level in the air duct.	50